

FIG. 1

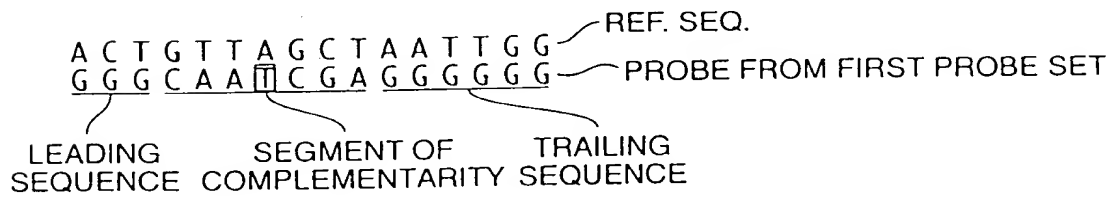


FIG. 2

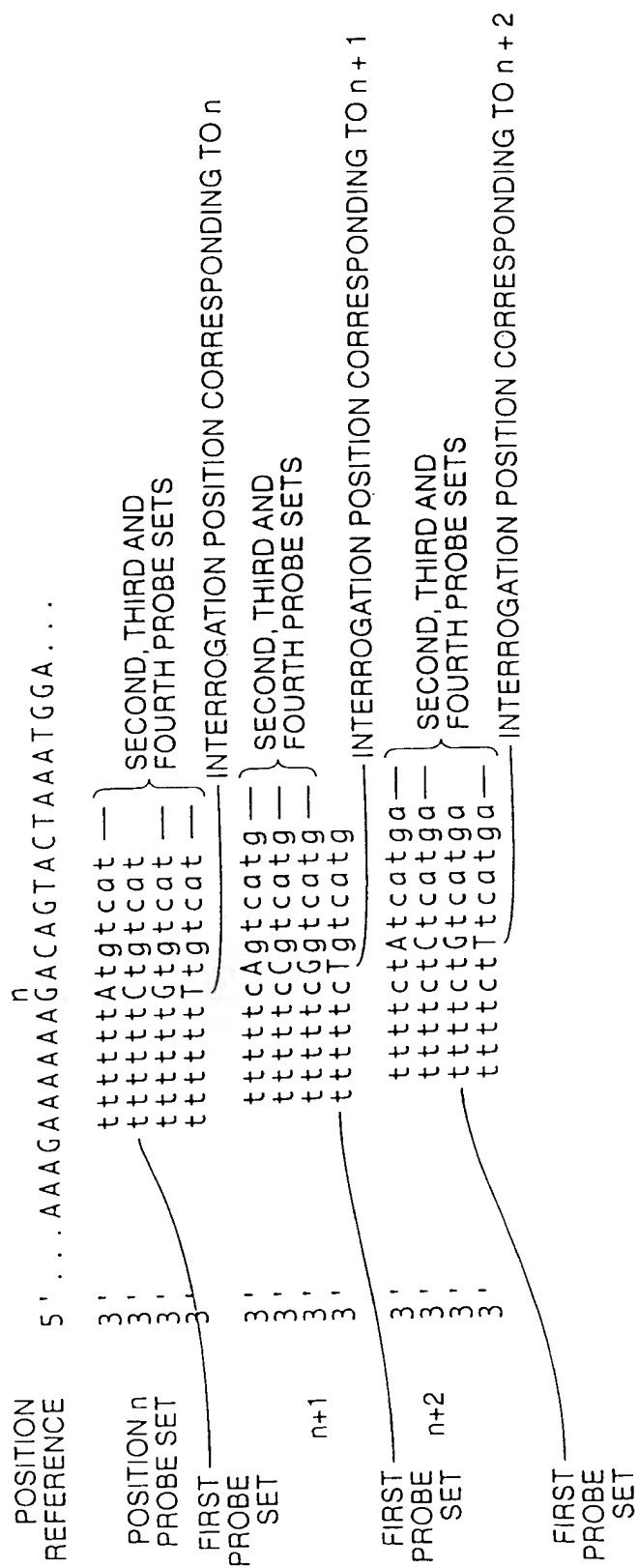
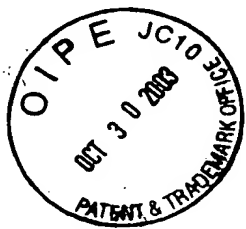
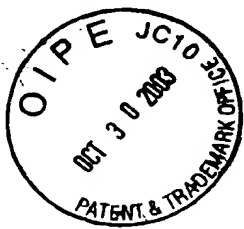


FIG. 3





RECEIVED  
OCT 30 2003  
FBI

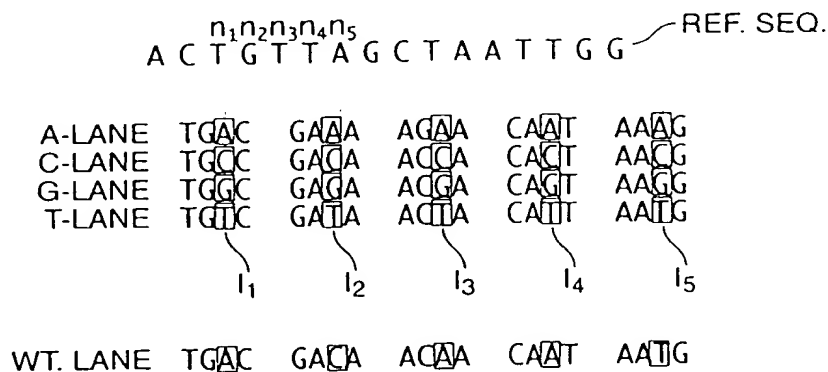


FIG. 4

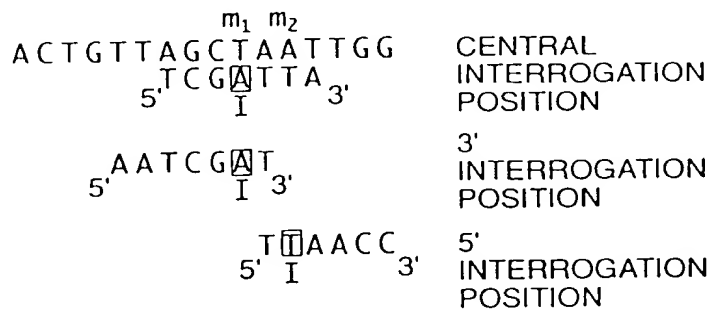


FIG. 4B

GGGXCCCTTAF

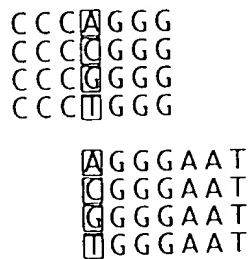
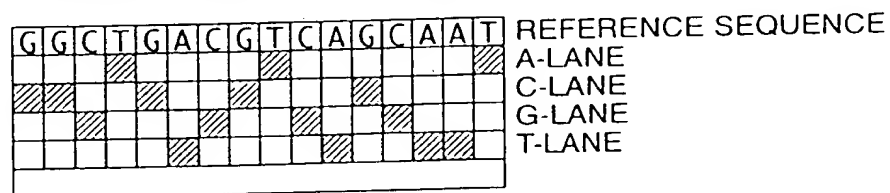
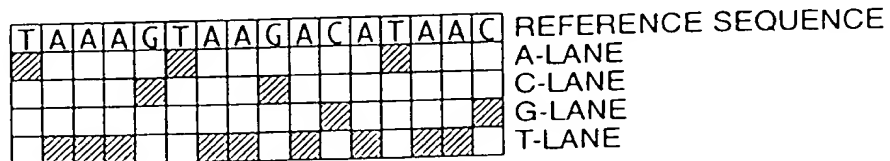
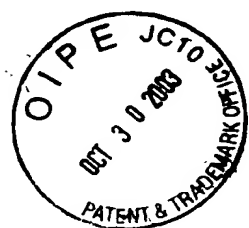
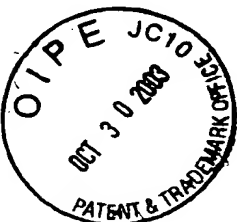


FIG. 4C



3' -CCGACTACAGTCGTT  
3' -CCGACTCCAGTCGTT  
3' -CCGACTGCAGTCGTT  
3' -CCGACTTCAGTCGTT

FIG. 5



10/30/03

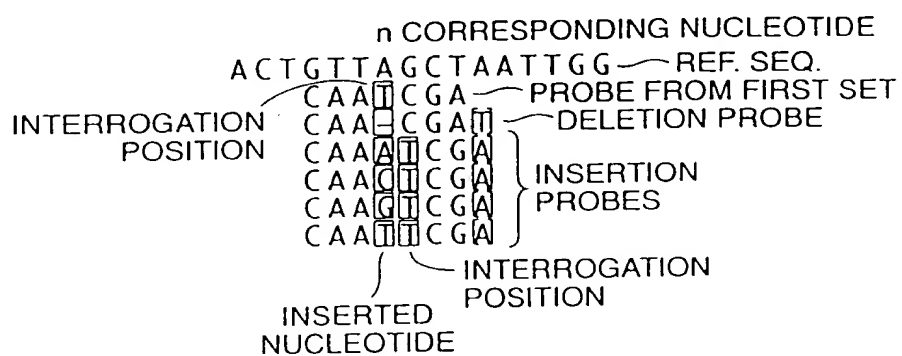
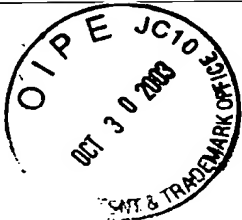


FIG. 6



RECEIVED  
OCT 30 2003

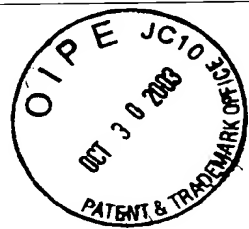
                  n<sub>1</sub>  n<sub>2</sub>  n<sub>3</sub> — CORRESPONDING NUCLEOTIDES  
A C T G T T A G C T A A T T G G — REF. SEQ.  
C A A T C G A — PROBE FROM FIRST SET  
      l<sub>1</sub>  l<sub>2</sub>  l<sub>3</sub> — INTERROGATION POSITIONS

C C A T C G A } CORRESPONDING PROBES  
C G A T C G A } FROM SECOND, THIRD AND  
C T A T C G A } FOURTH PROBE SETS  
      l<sub>1</sub>

C A A A C G A } CORRESPONDING PROBES  
C A A C C G A } FROM FIFTH, SIXTH AND  
C A A G C G A } SEVENTH PROBE SETS  
      l<sub>2</sub>

C A A T C A A } CORRESPONDING PROBES  
C A A T C C A } FROM EIGHTH, NINTH AND  
C A A T C T A } TENTH PROBE SETS  
      l<sub>3</sub>

FIG. 7



RECEIVED  
OCT 30 2003  
PATENT & TRADEMARK OFFICE

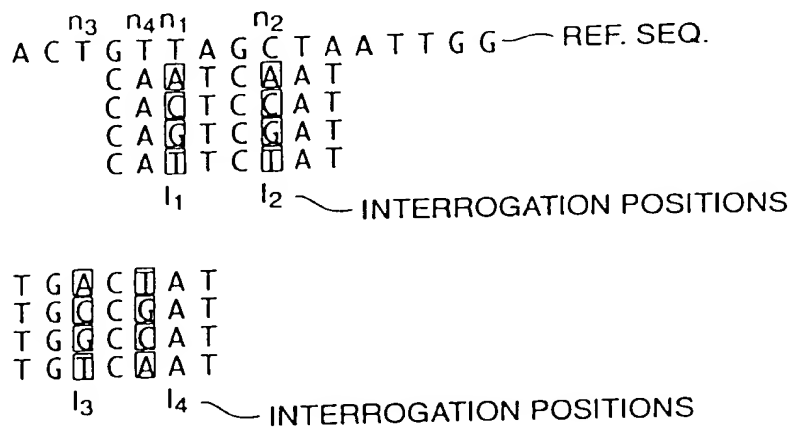


FIG. 8

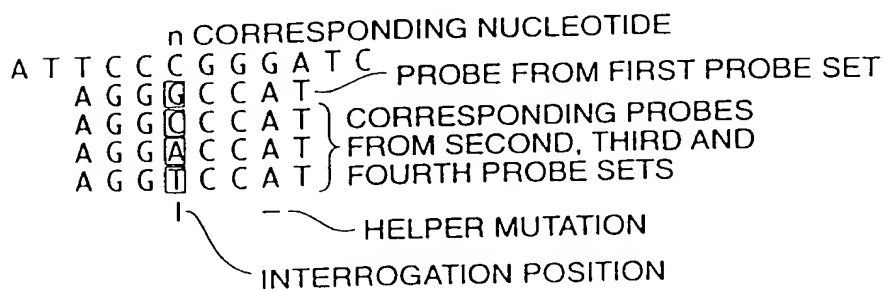
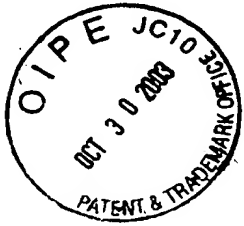
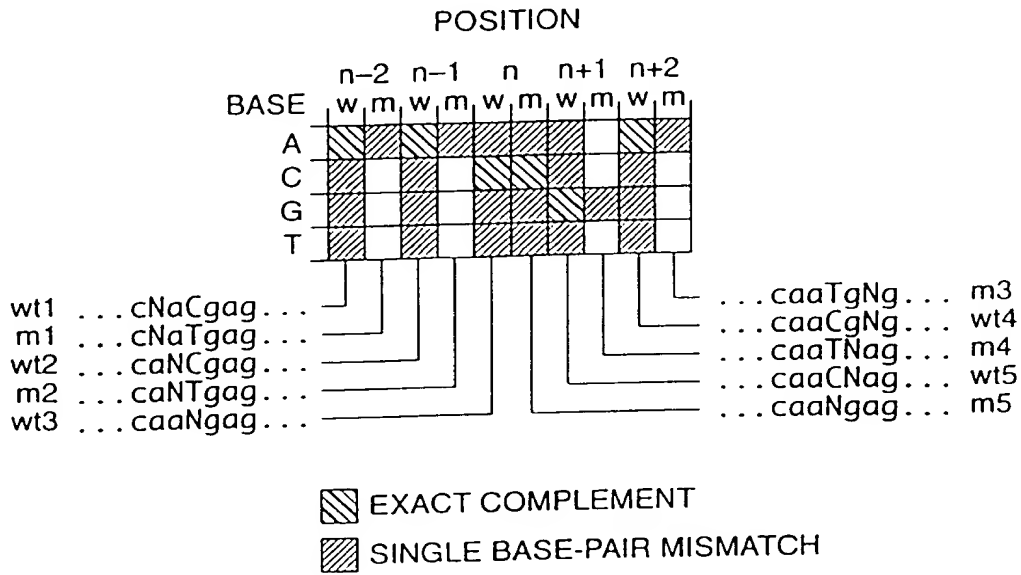


FIG. 9



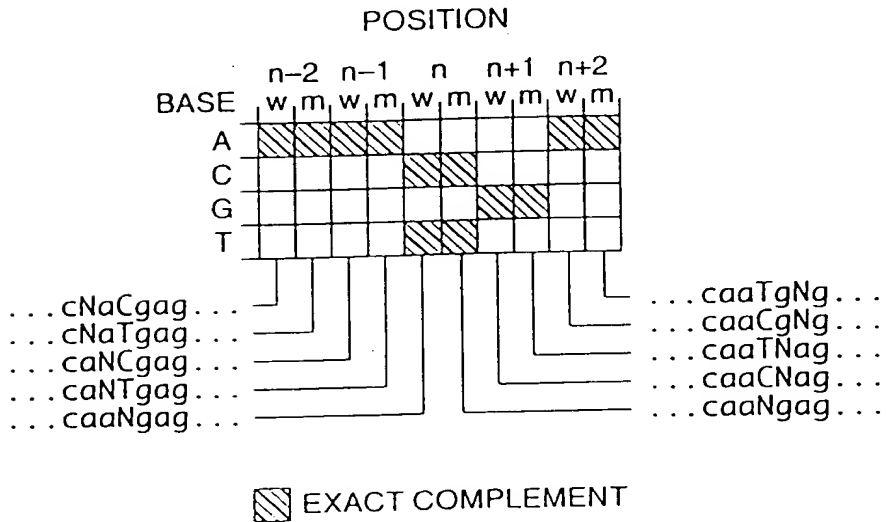


RECEIVED  
OCT 30 2003  
PATENT & TRADEMARK OFFICE



WILD-TYPE SEQUENCE: 5' =AGGTCAA**C**GAGCAA=3'  
 MUTANT SEQUENCE: 5' =AGGTCAA**T**GAGCAA=3'

FIG. 10



WILD-TYPE SEQUENCE: 5' =AGGTCAA**C**GAGCAA=3'  
 MUTANT SEQUENCE: 5' =AGGTCAA**T**GAGCAA=3'

FIG. 11

FIG. 12A

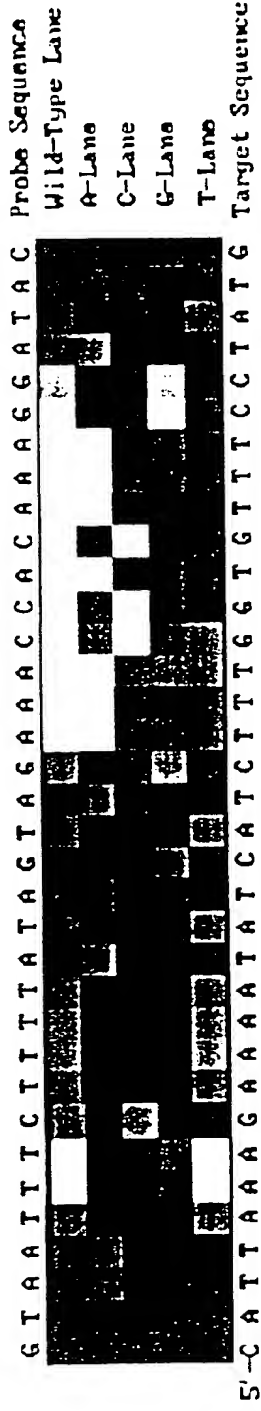


FIG. 12B

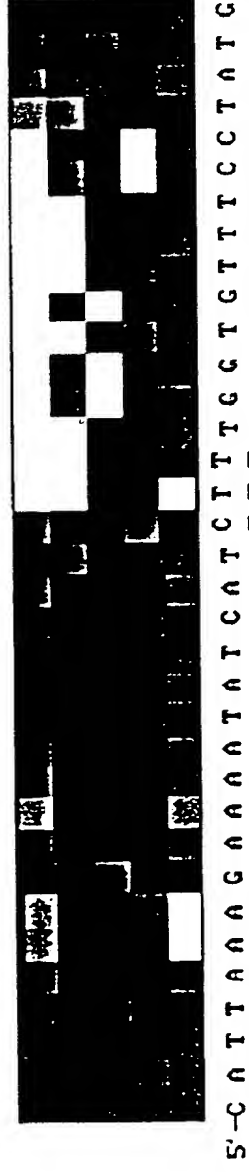
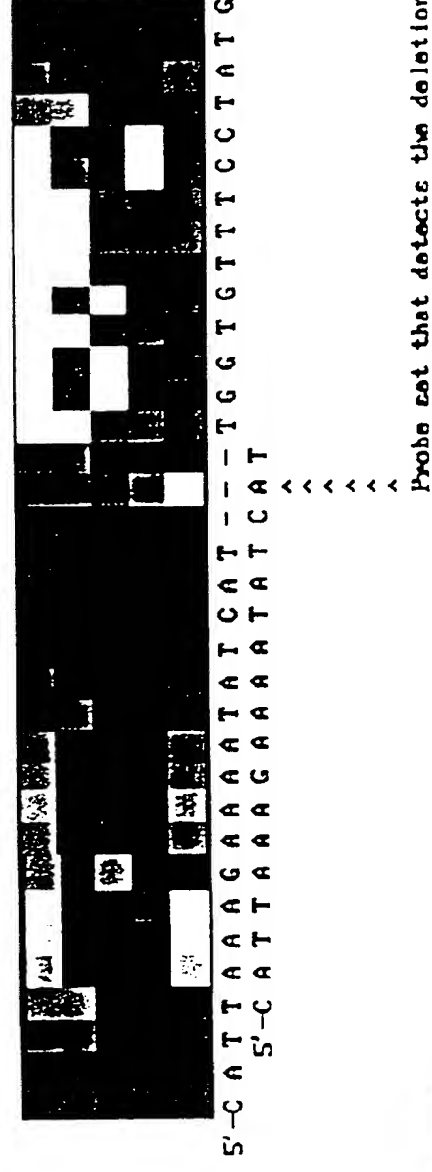


FIG. 12C



RECEIVED  
 OCT 30 2003  
 MAIL ROOM

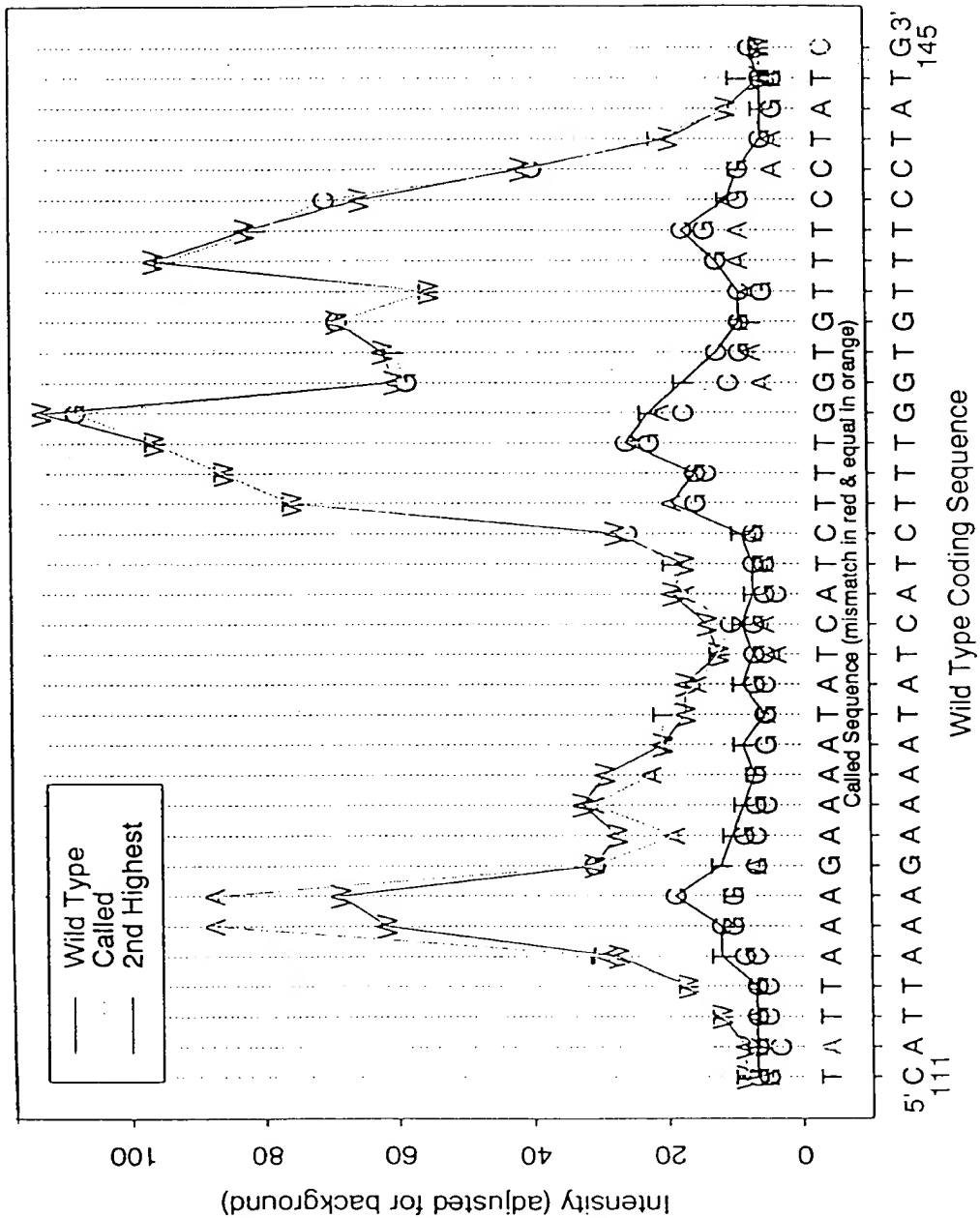


FIG. 13A

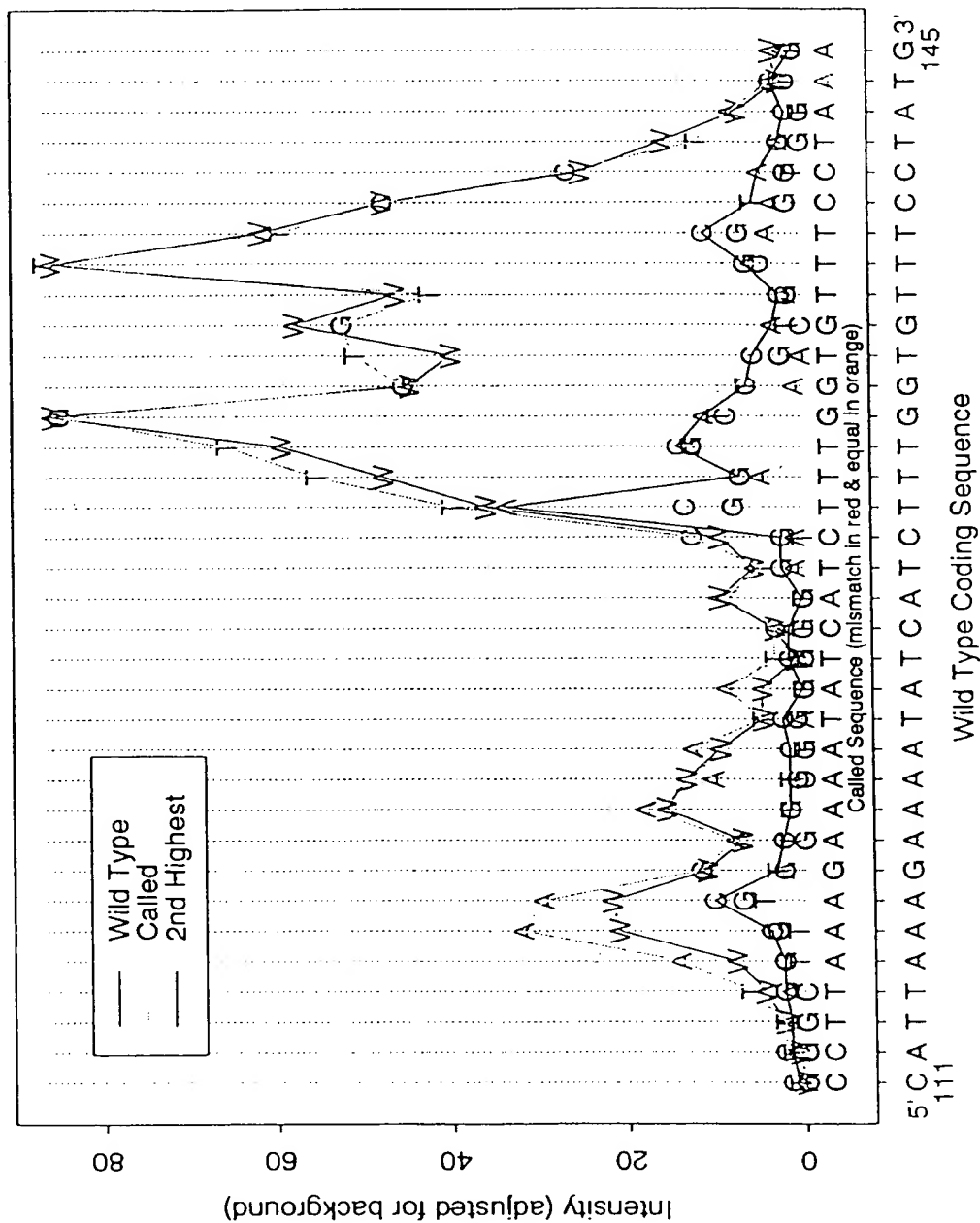
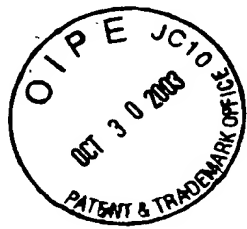


FIG. 13B

GENVIEW

10/30/03

10/30/03

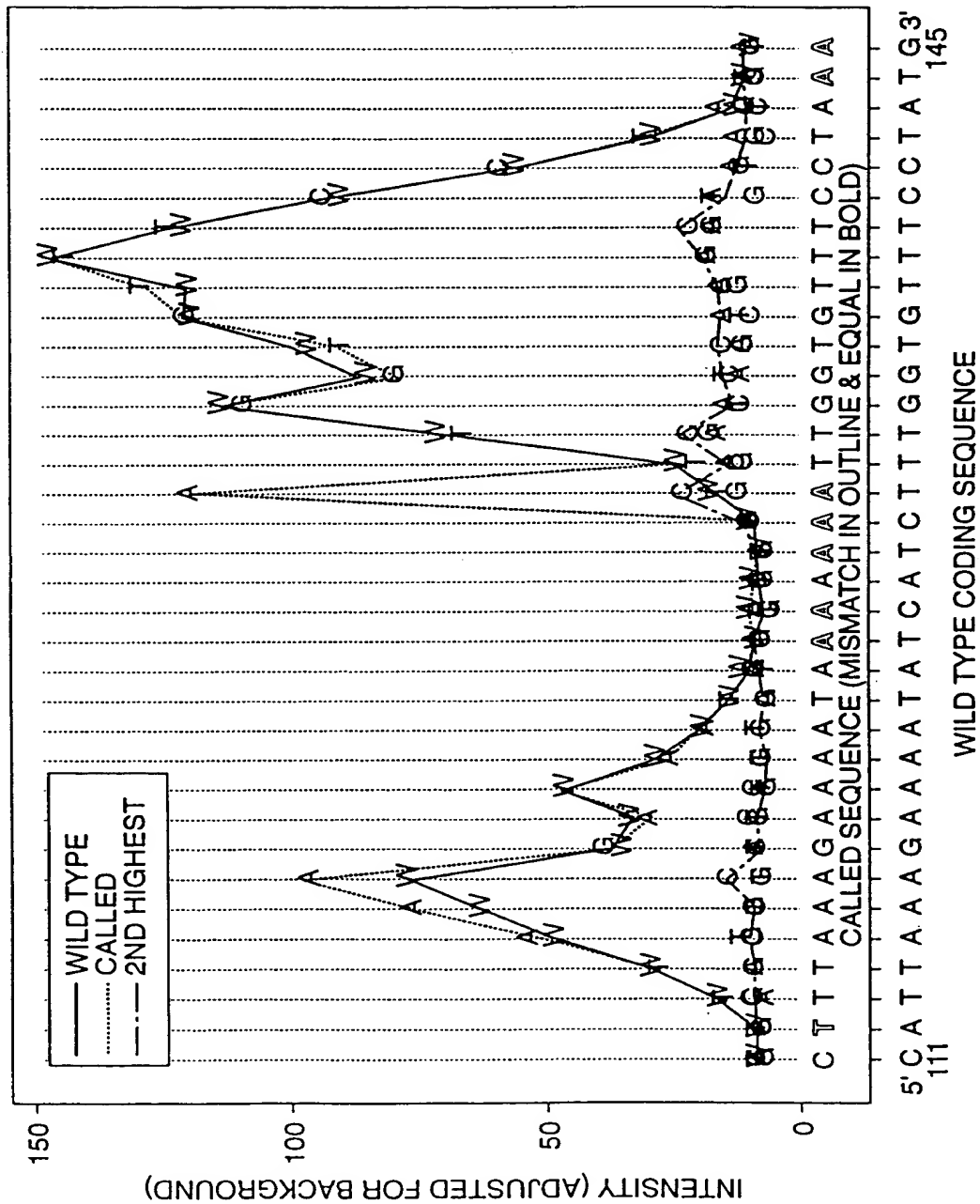


FIG. 13C

GenBank

Accession

U000000000

FIG. 14A

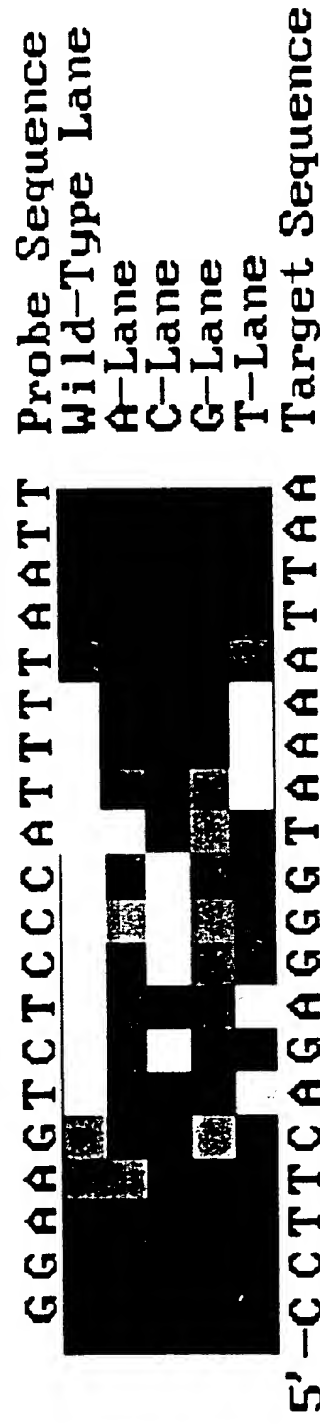


FIG. 14B

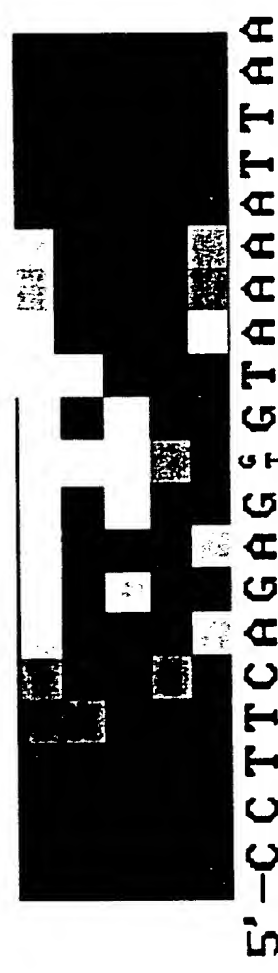
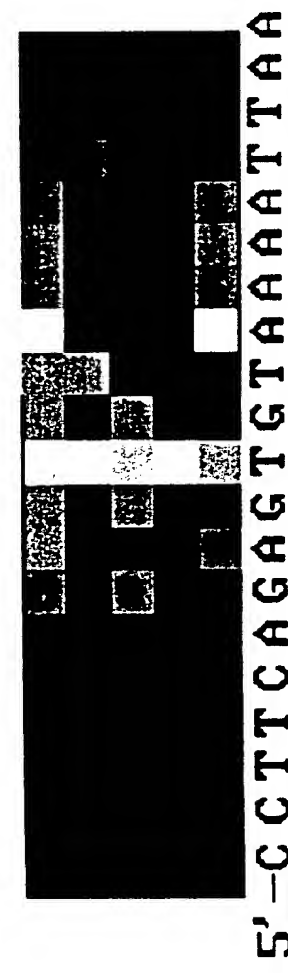


FIG. 14C





RECEIVED  
 OCT 30 2003  
 PATENT & TRADEMARK OFFICE

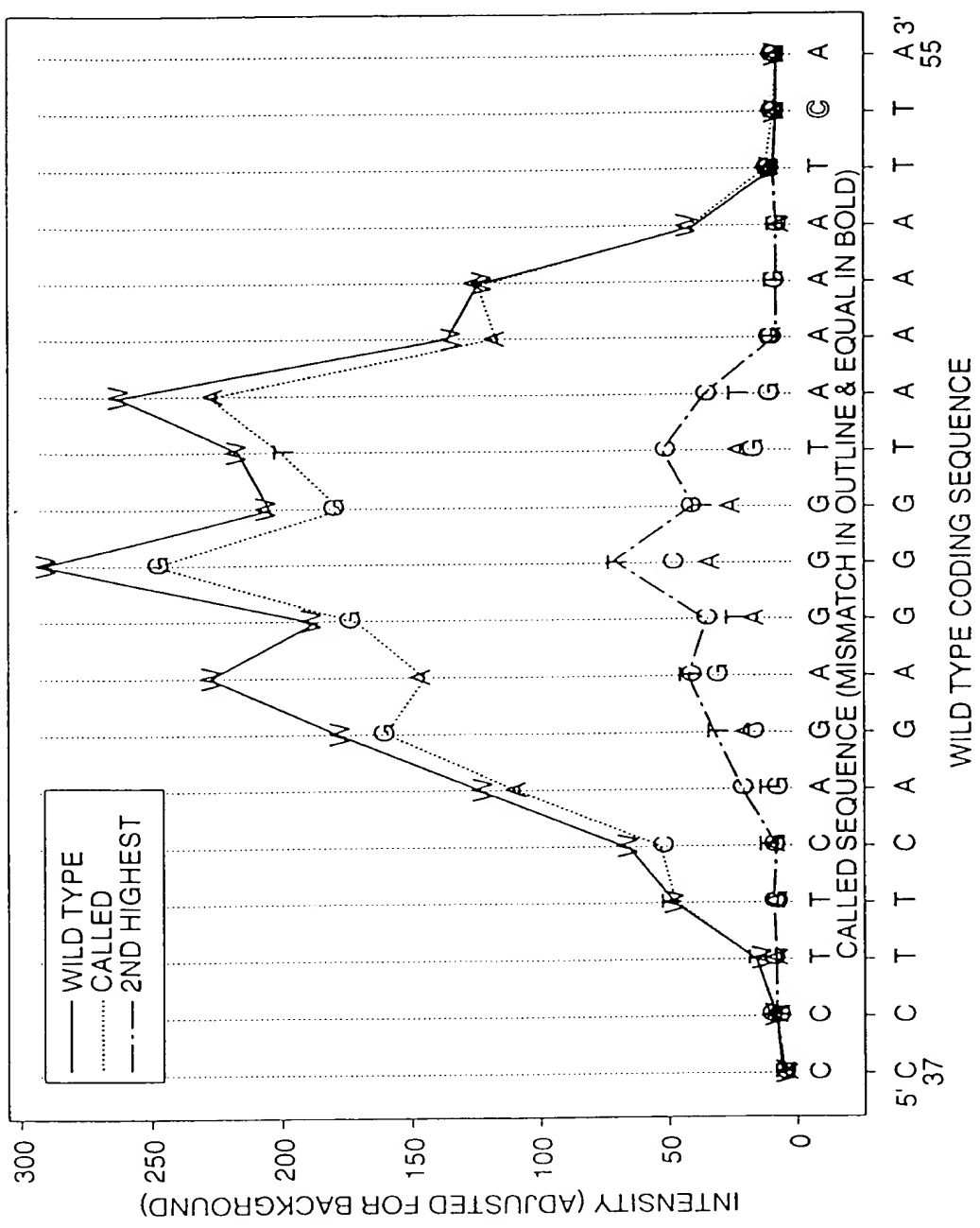


FIG. 15A

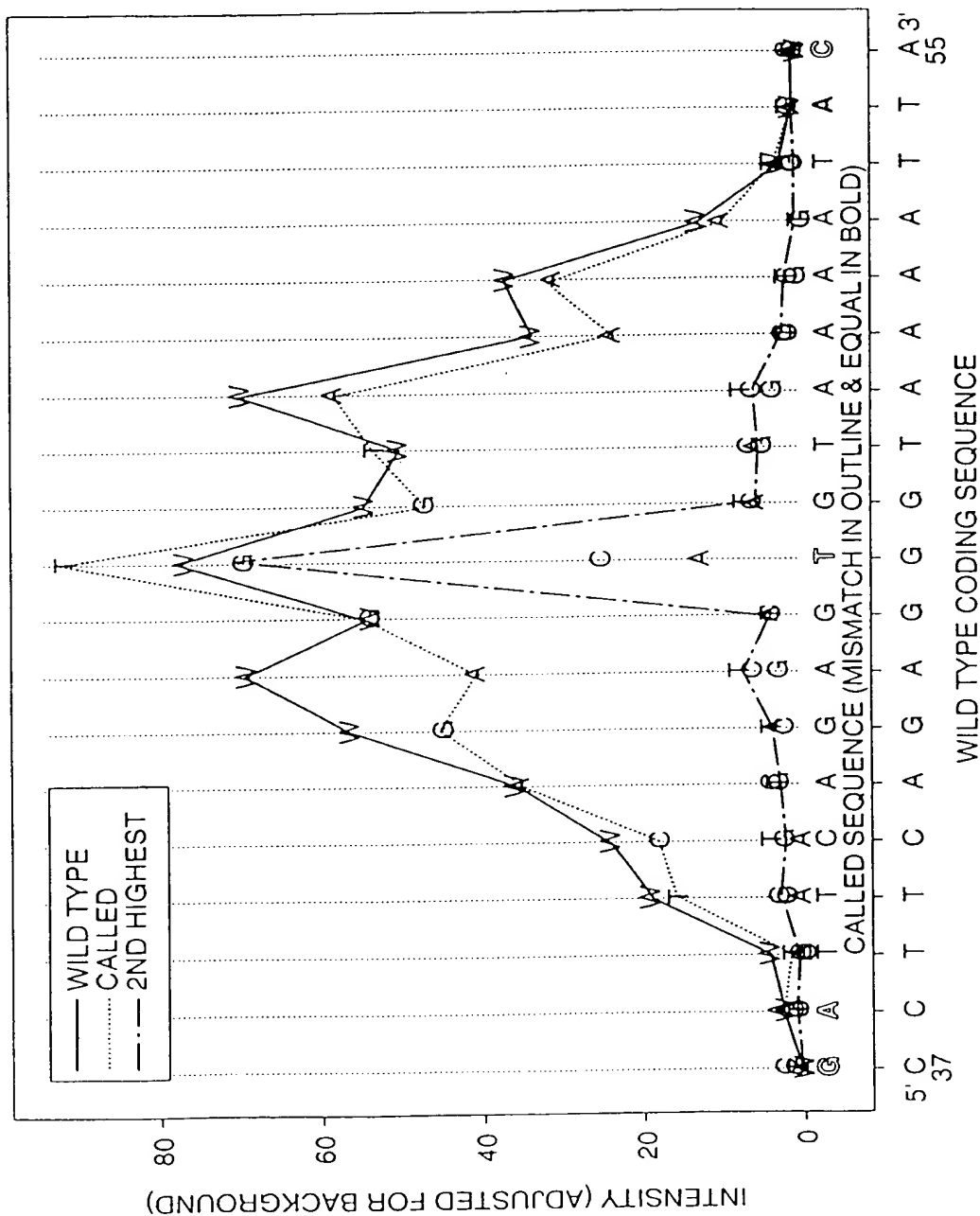


FIG. 15B

731111

100.000000

100.000000



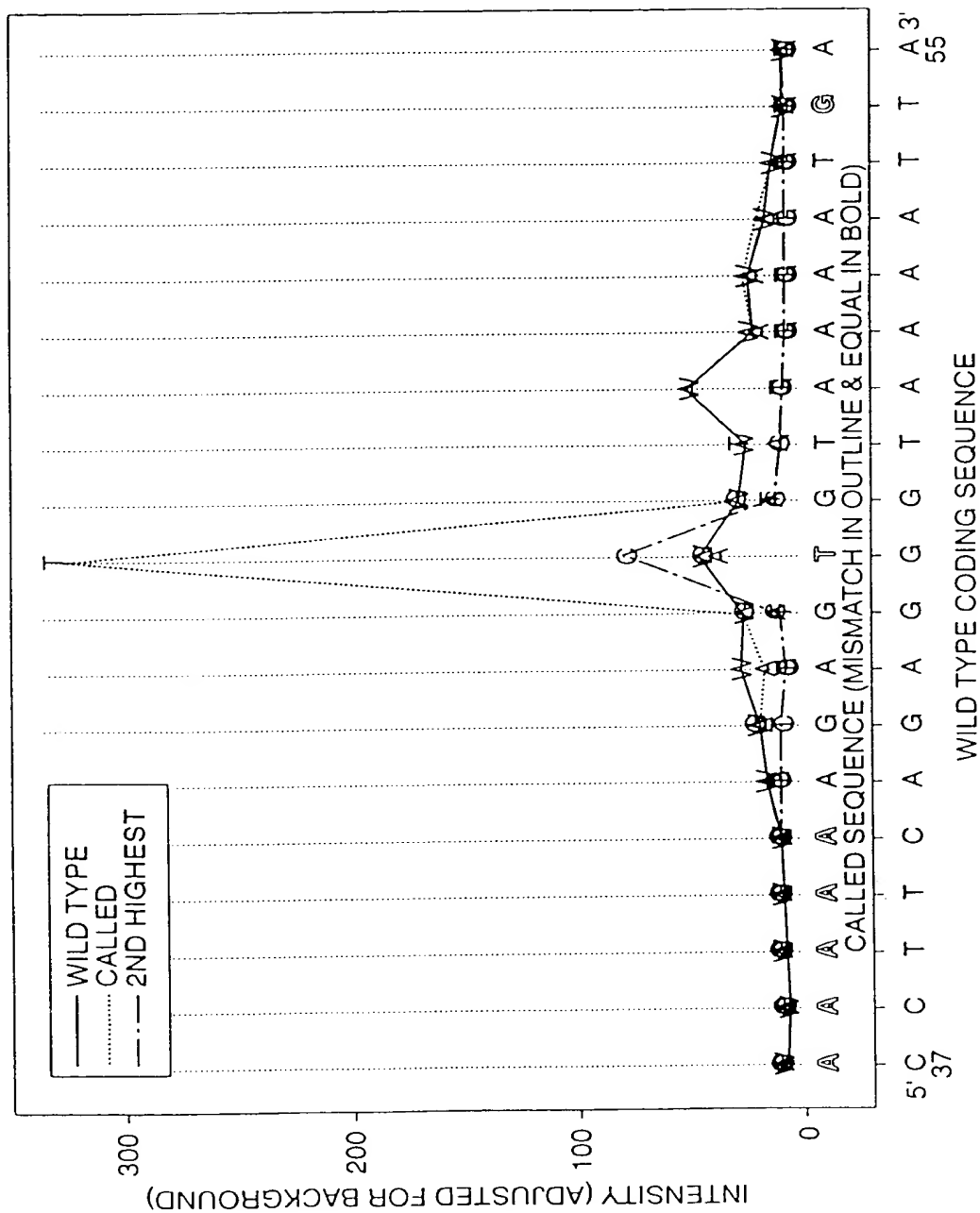
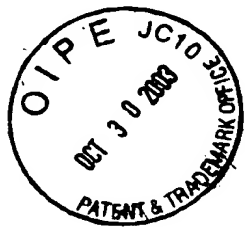


FIG. 15C

RECEIVED  
OCT 30 2003  
PATENT & TRADEMARK OFFICE

FIG. 16A



FIG. 16B



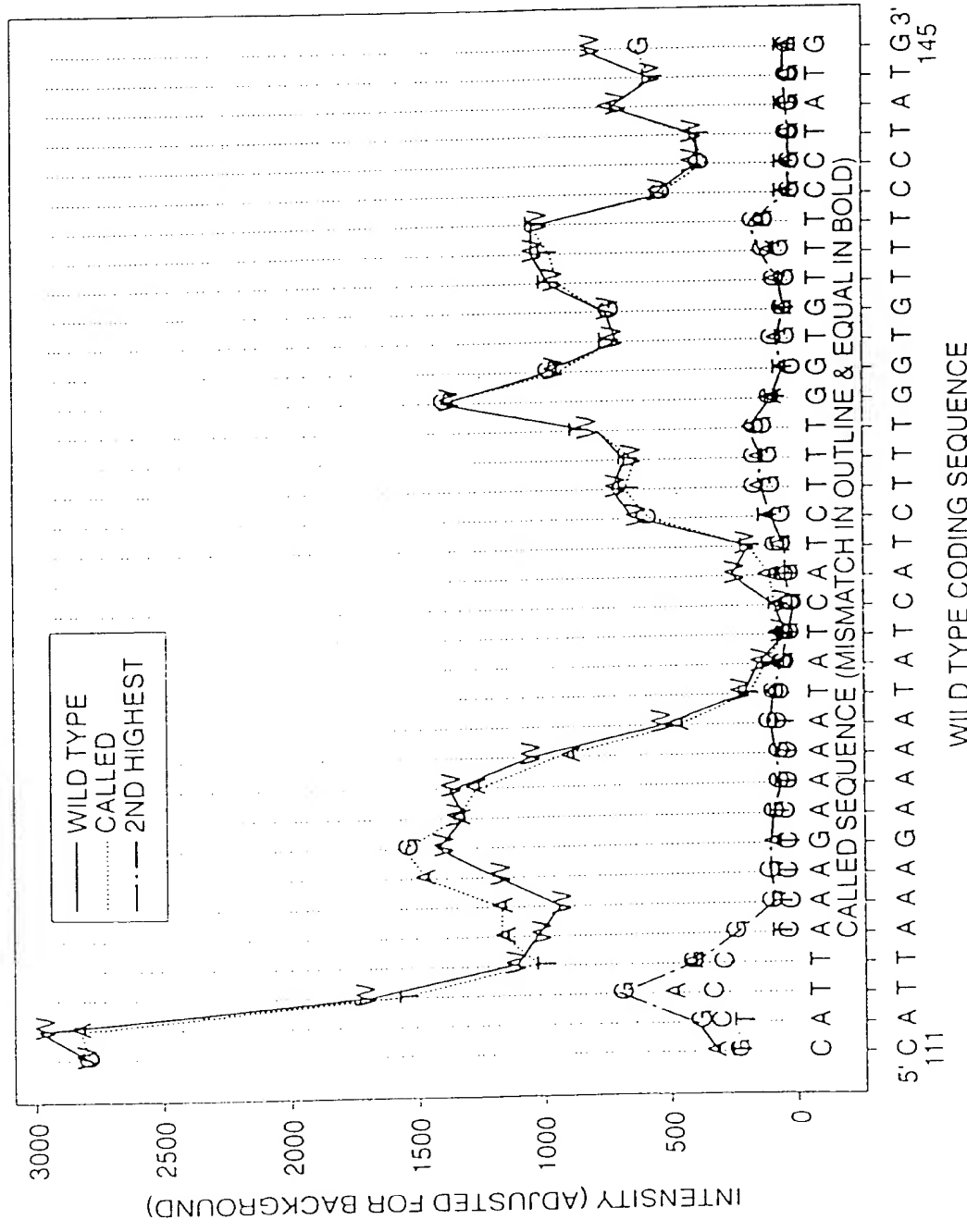


FIG. 17  
(1 of 2)

GENV10-336

10/20/03

0000001921000000

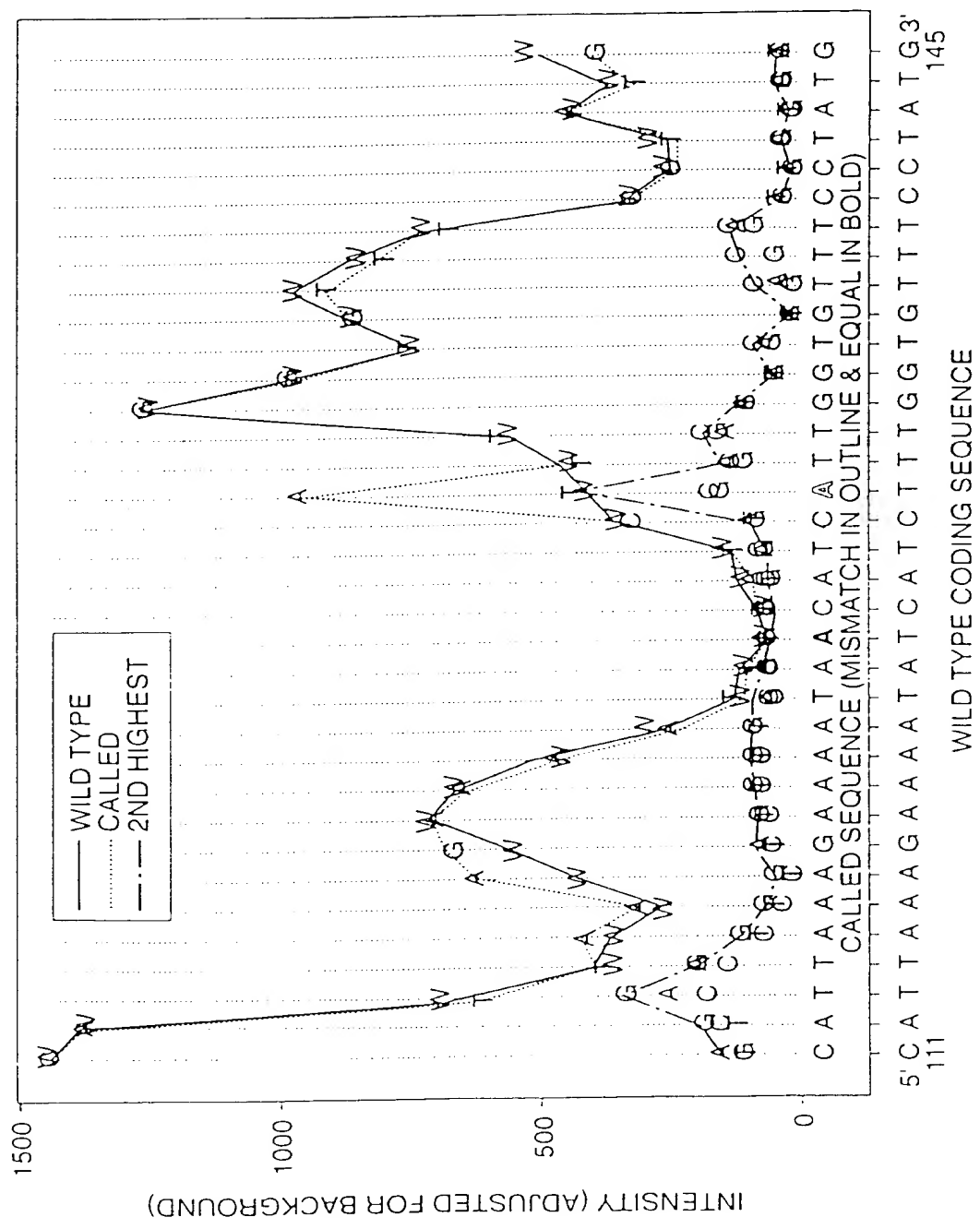


FIG. 17  
 (2 of 2)

[illegible]

FIG. 18B

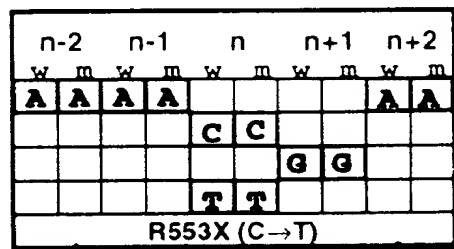
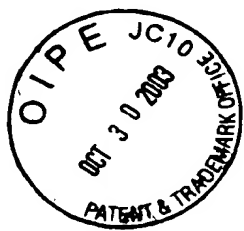


FIG. 19A

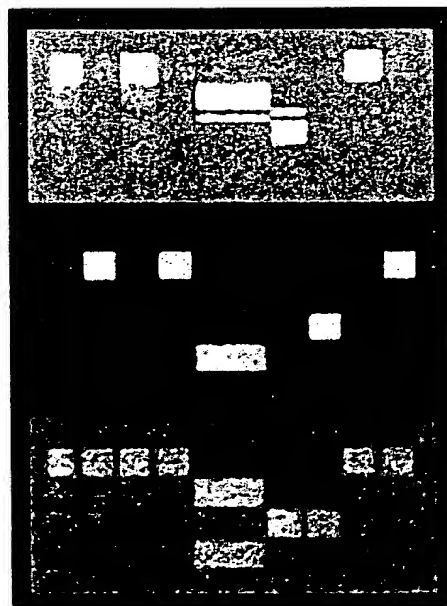
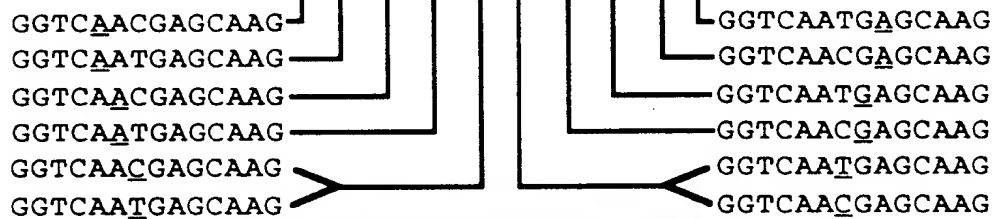


FIG. 19B

FIG. 19C

FIG. 19D

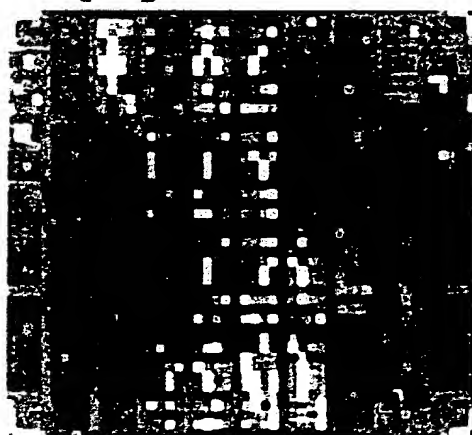
|               |     |   |     |     |
|---------------|-----|---|-----|-----|
| n-2           | n-1 | n | n+1 | n+2 |
| w             | w   | w | w   | w   |
|               |     | T | T   | T   |
|               |     |   |     |     |
|               | G   | G | G   | G   |
|               |     |   |     |     |
|               |     |   |     |     |
| A             | A   |   |     |     |
| G480C (G · T) |     |   |     |     |

FIG. 20A

|   | n-2 | n-1 | n | n+1 | n+2 |
|---|-----|-----|---|-----|-----|
| w |     |     | T |     |     |
| w |     |     |   | G   | G   |
|   |     |     |   |     |     |
|   |     |     |   |     |     |
| A |     |     |   |     |     |

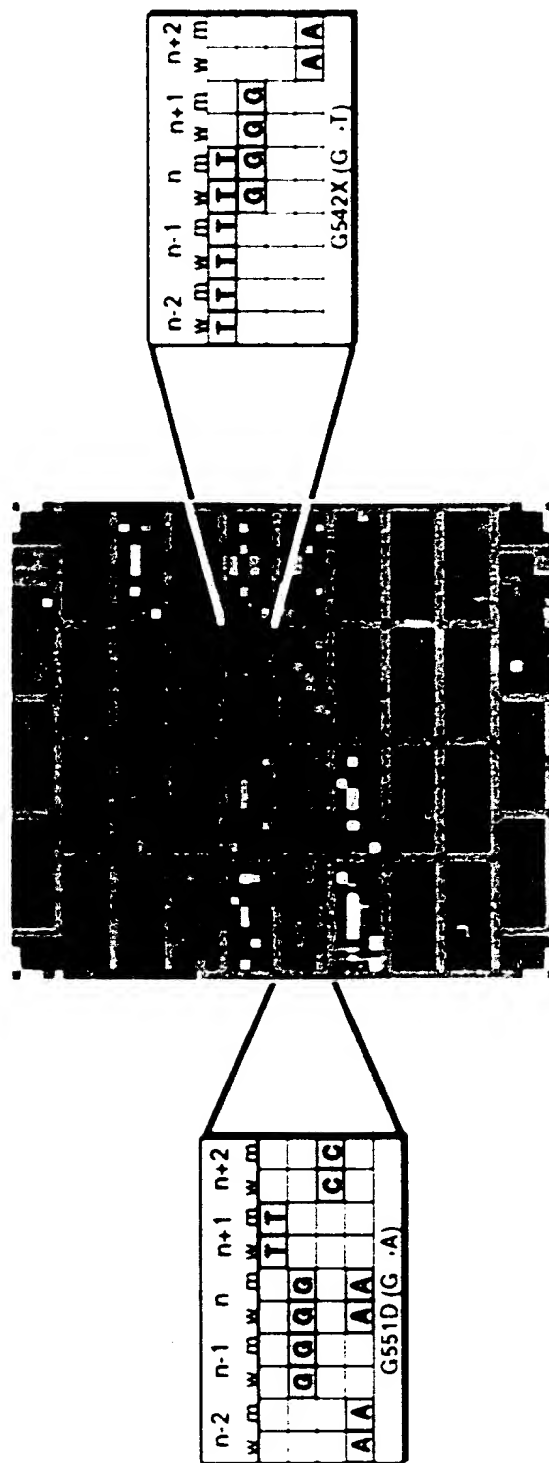
ΔF508 (Mutant)

FIG. 20B



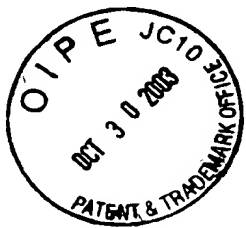
|   | n-2 | n-1 | n | n+1 | n+2 |
|---|-----|-----|---|-----|-----|
| w |     |     |   | T   |     |
| m |     |     |   | T   |     |
| m |     |     |   |     |     |
| w |     |     |   |     |     |
| m |     |     |   |     |     |
| w |     |     |   |     |     |
| m |     |     |   |     |     |
| w |     |     |   |     | C   |
| m |     |     |   |     | C   |
| w | A   | A   |   |     |     |
| m |     |     |   |     |     |
| w |     |     |   |     |     |
| m |     |     |   |     |     |
| w |     |     |   |     |     |
| m |     |     |   |     |     |

G551D (G→A)



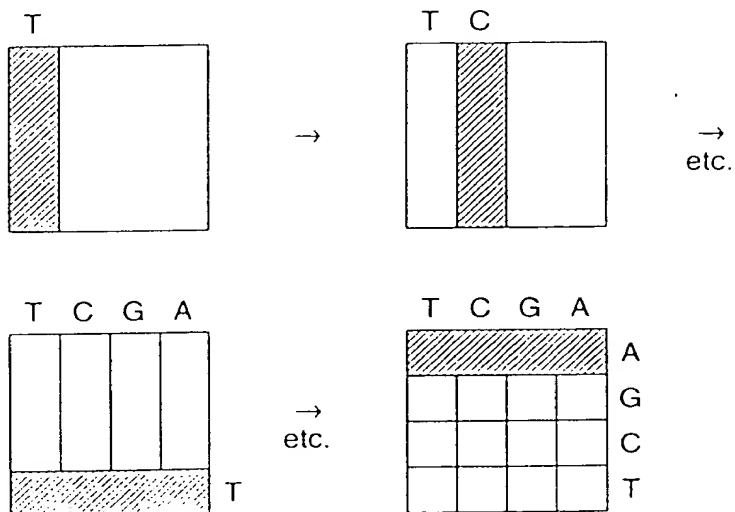






RECEIVED  
OCT 30 2003  
OIP

DIMERS:



IN POLYNOMIAL NOTATION:

$$(T + C + A + G)^2 = \text{ALL DIMERS}$$

TRIMERS:

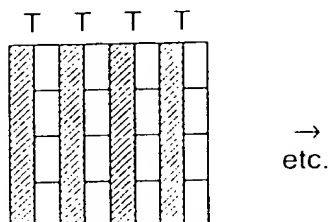


FIG. 23

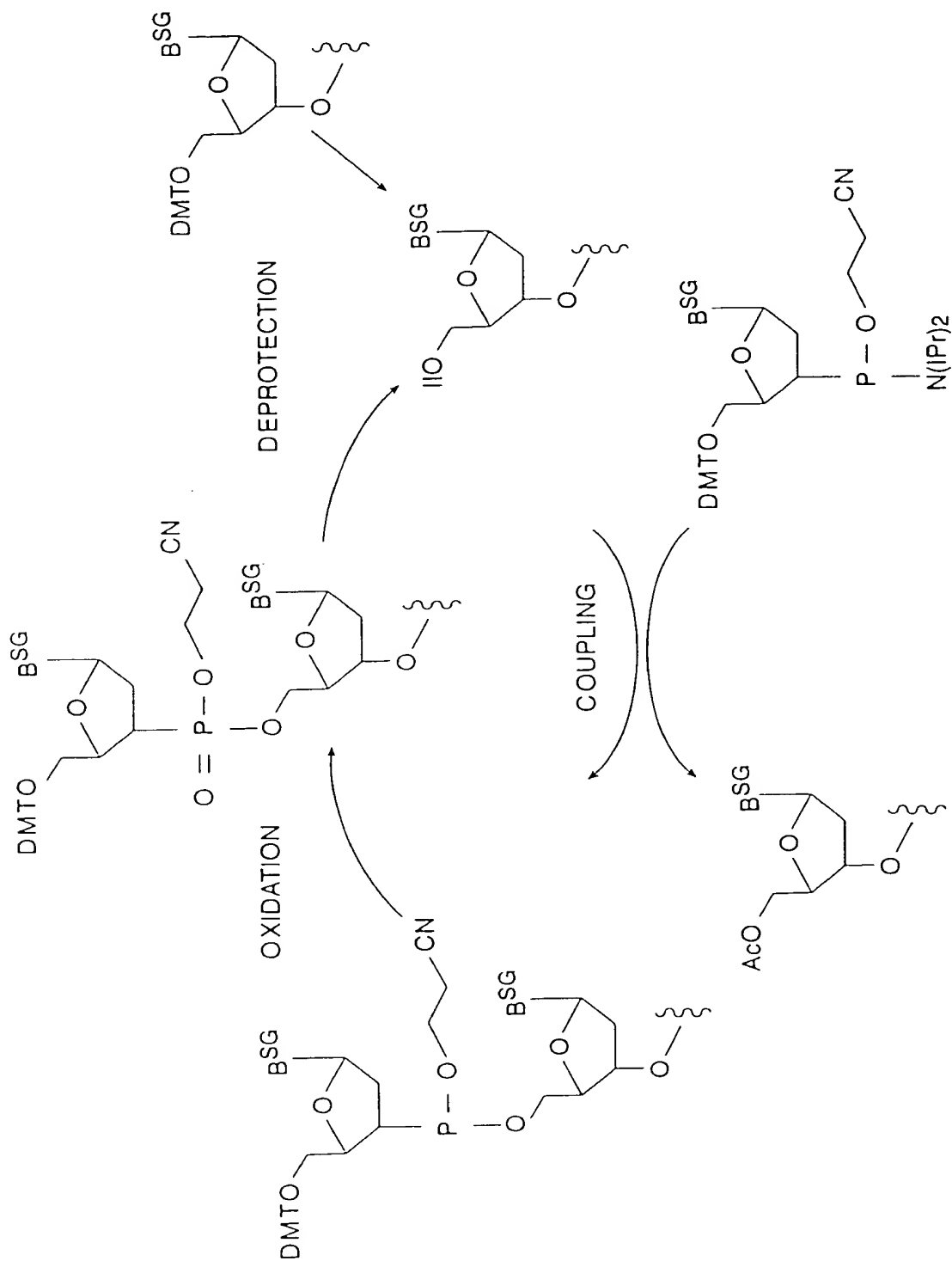
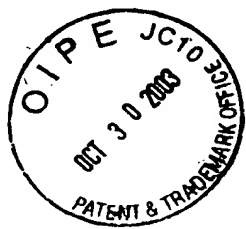


FIG. 24

RECEIVED

OCT 7 2003

LEO-CHEM 100050

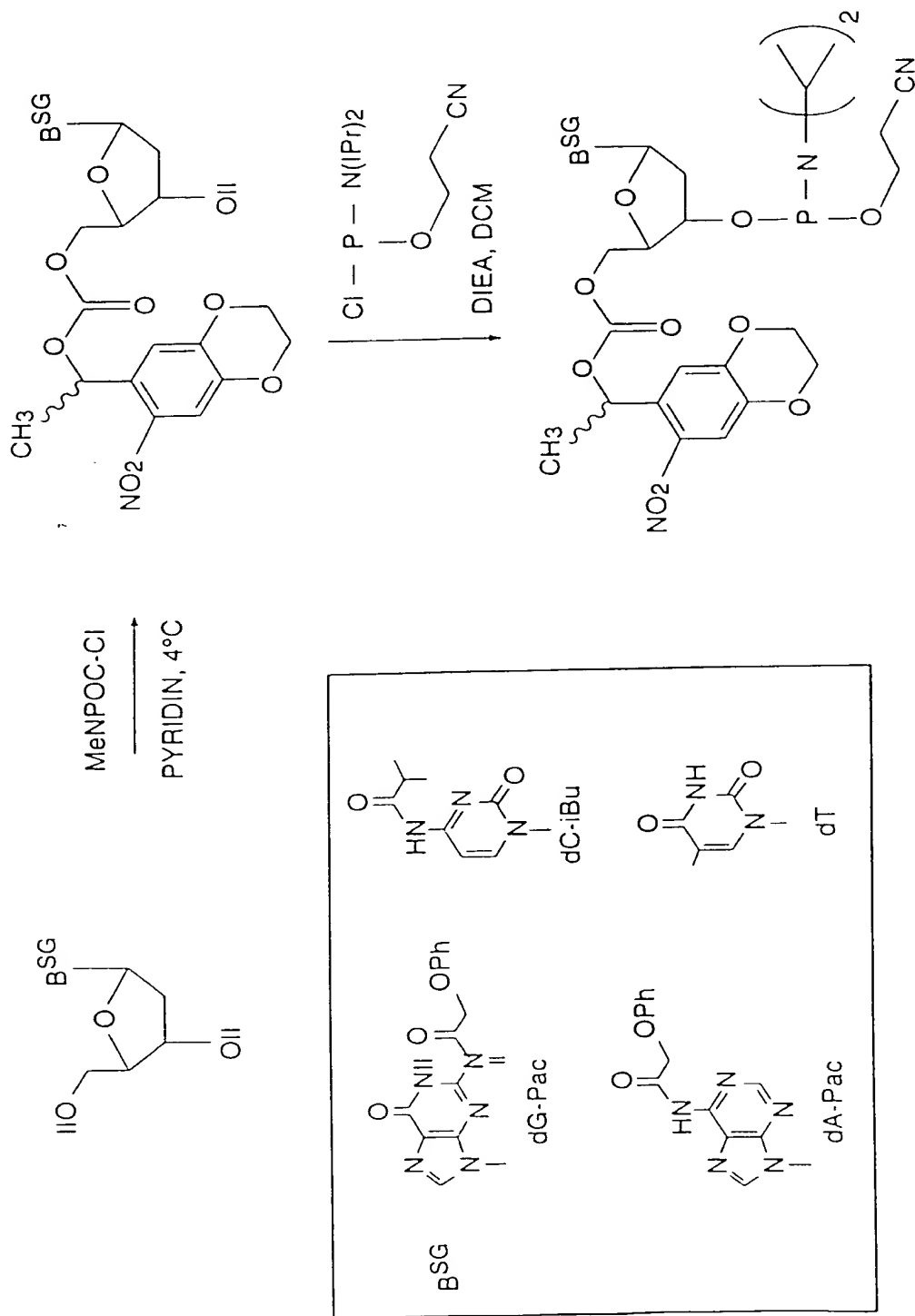


FIG. 25

RECEIVED

NOV 10 2003

U.S. PAT. & TM. OFF.

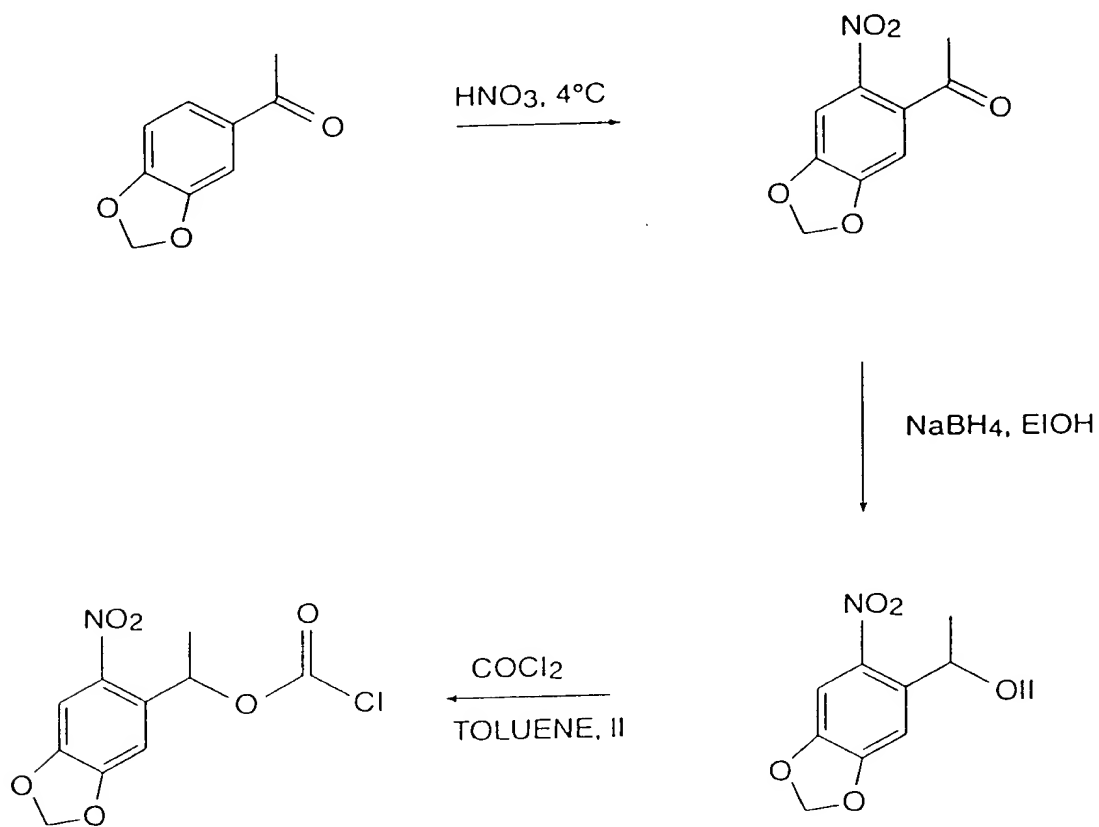
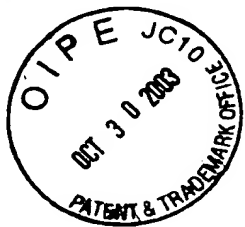


FIG. 26

RECEIVED

OCT 2 2003

LEON CENTER 1000/500

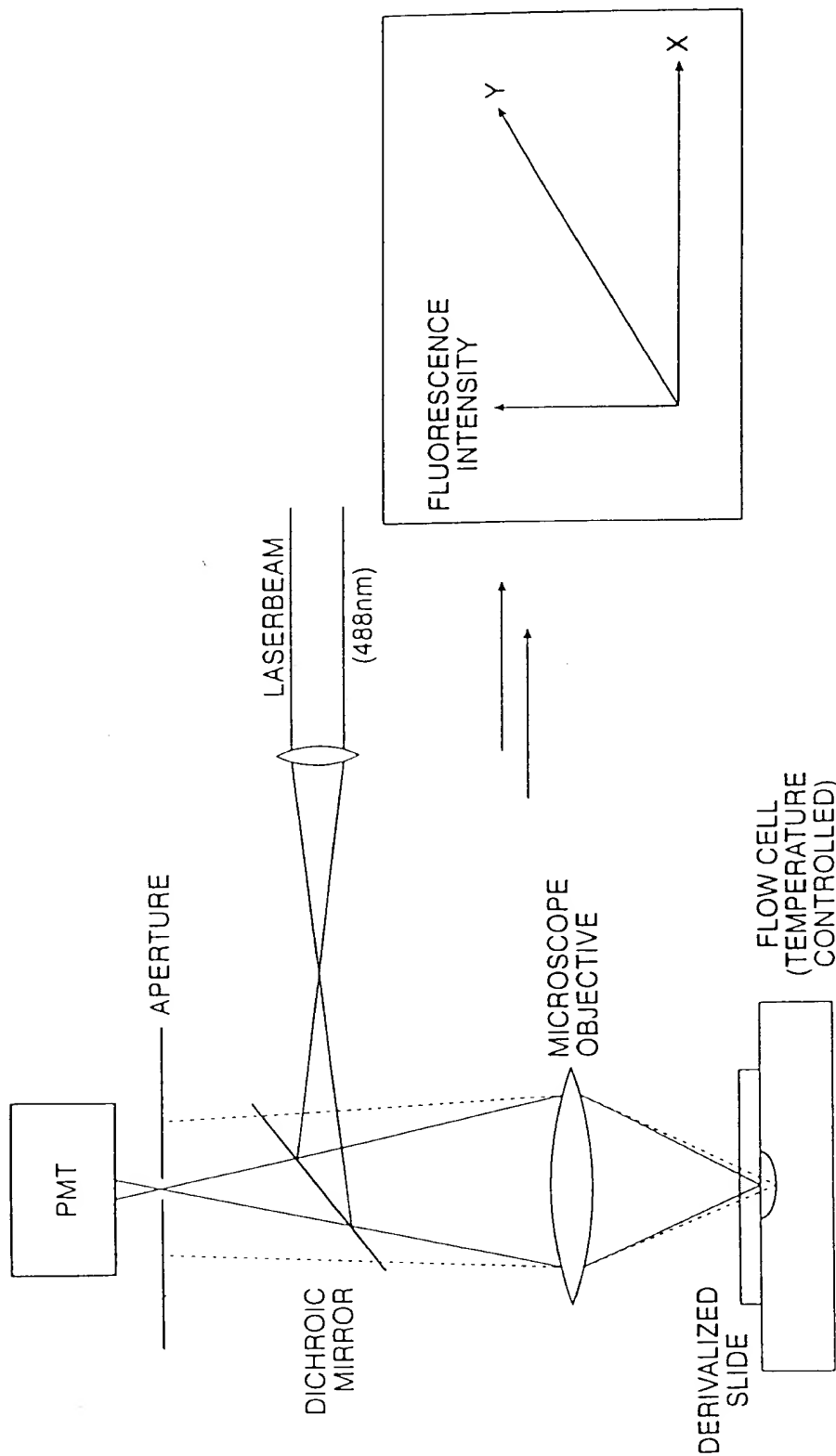


FIG. 27

RECEIVED

OCT 30 2003

RECEIVED FOR